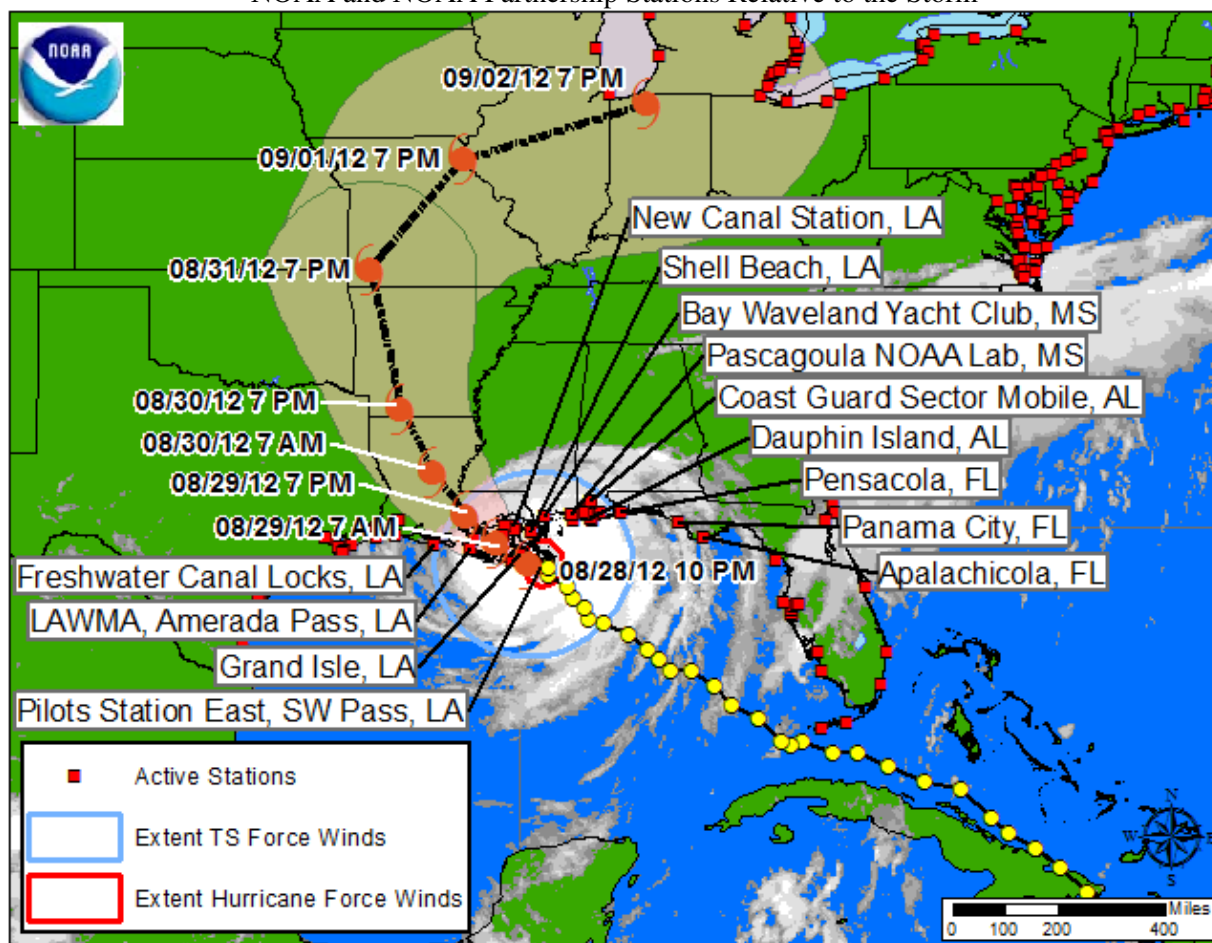




Hurricane ISAAC QuickLook
Posted: 23:00 CDT 08/28/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

..ISAAC MAKES LANDFALL IN EXTREME SOUTHEASTERN LOUISIANA...

As of 08/28/2012 23:00 CDT, water levels along the Gulf coast from Alabama to Louisiana continue to rise. Water levels from Dauphin Island, AL to Shell Beach, LA range from 3.3 to 10.9 feet above tidal predictions, with water levels at Shell Beach showing the most significant impacts, measuring 10.9 feet above tidal predictions. Water levels along southeastern Louisiana from Pilots Station to Grand Isle are elevated between 2.7 and 3.7 feet above tidal predictions. Water levels near Lake Pontchartrain are rising and range between 1.8 to 4.3 feet above tidal predictions. Water levels at stations west of the storm track are either at or below tidal predictions. Water levels along the Florida panhandle have begun to fall, however they remain 1.5 to 3.0 feet above tidal predictions.

Winds from Alabama to southeastern Louisiana are increasing and generally range from 20 to 50 knots, with gusts ranging from 50 to 70 knots from Shell Beach, LA to Grand Isle, LA. Winds along the Florida

Hurricane ISAAC QuickLook, POSTED 23:00 CDT 08/28/2012

panhandle are decreasing and range from 5 to 20 knots. Barometric pressure continues to fall from Alabama to Louisiana.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.9 ft (0.56 m) at 08/29/2012 10:51 CDT and 1.7 ft (0.53 m) at 08/30/2012 12:14 CDT.

Shell Beach, LA: Next predicted high tides are 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT and 1.2 ft (0.37 m) at 08/30/2012 14:26 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 08:34 CDT and 1.4 ft (0.43 m) at 08/30/2012 09:26 CDT.

Grand Isle, LA: Next predicted high tides are 1.4 ft (0.41 m) at 08/29/2012 09:17 CDT and 1.2 ft (0.38 m) at 08/30/2012 10:21 CDT.

New Canal Station, LA: Next predicted high tides are 0.4 ft (0.12 m) at 08/29/2012 18:54 CDT and 0.4 ft (0.11 m) at 08/30/2012 19:18 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.6 ft (0.48 m) at 08/29/2012 09:49 CDT and 1.4 ft (0.44 m) at 08/30/2012 11:03 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 11:34 CDT and 1.4 ft (0.44 m) at 08/30/2012 12:26 CDT.

Dauphin Island, AL: Next predicted high tides are 1.5 ft (0.46 m) at 08/29/2012 09:26 CDT and 1.4 ft (0.42 m) at 08/30/2012 10:20 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.4 ft (0.43 m) at 08/29/2012 04:05 CDT and 1.3 ft (0.40 m) at 08/29/2012 14:24 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.1 ft (0.64 m) at 08/29/2012 02:53 CDT and 1.8 ft (0.56 m) at 08/29/2012 12:20 CDT.

Pensacola, FL: Next predicted high tides are 1.7 ft (0.51 m) at 08/29/2012 10:10 CDT and 1.5 ft (0.47 m) at 08/30/2012 11:08 CDT.

Panama City, FL: Next predicted high tides are 1.7 ft (0.51 m) at 08/29/2012 09:23 CDT and 1.5 ft (0.48 m) at 08/30/2012 10:21 CDT.

Apalachicola, FL: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 04:30 EDT and 1.9 ft (0.57 m) at 08/29/2012 14:24 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ISAAC ADVISORY NUMBER 32
NWS NATIONAL HURRICANE CENTER MIAMI FL
1000 PM CDT TUE AUG 28 2012

...ISAAC PRODUCING A DANGEROUS STORM SURGE ALONG THE NORTHERN GULF COAST...FLOODING FROM RAINFALL TO FOLLOW...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WATCH FROM WEST OF CAMERON LOUISIANA TO SABINE PASS TEXAS HAS BEEN REPLACED WITH A TROPICAL STORM WARNING.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- * EAST OF MORGAN CITY LOUISIANA TO THE MISSISSIPPI-ALABAMA BORDER... INCLUDING METROPOLITAN NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A HURRICANE WATCH IS IN EFFECT FOR...

- * INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * THE MISSISSIPPI-ALABAMA BORDER TO DESTIN FLORIDA
- * MORGAN CITY TO SABINE PASS TEXAS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * EAST OF HIGH ISLAND TEXAS TO JUST WEST OF SABINE PASS

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 PM CDT THE EYE OF HURRICANE ISAAC WAS LOCATED BY NOAA DOPPLER RADAR ABOUT 75 MI SE OF HOUMA LOUISIANA ABOUT 75 MI SSE OF NEW ORLEANS LOUISIANA. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 8 MPH. A NORTHWESTWARD MOTION AT A SLIGHTLY SLOWER SPEED IS EXPECTED OVER THE NEXT DAY OR TWO. ON THE FORECAST TRACK...THE CENTER OF HURRICANE ISAAC WILL CONTINUE MOVING NEAR OR OVER THE SOUTHEASTERN COAST OF LOUISIANA TONIGHT...AND MOVE FARTHER INLAND OVER SOUTHEASTERN LOUISIANA DURING THE NEXT DAY OR SO.

MAXIMUM SUSTAINED WINDS ARE NEAR 80 MPH WITH HIGHER GUSTS. ISAAC IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. LITTLE

CHANGE IN STRENGTH IS FORECAST TONIGHT. SLOW WEAKENING IS EXPECTED AFTER THAT.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 60 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 185 MILES. TROPICAL STORM CONDITIONS ARE OCCURRING ALONG THE COASTAL AREAS OF SOUTHEASTERN LOUISIANA...MISSISSIPPI...AND ALABAMA. A SUSTAINED WIND OF 56 MPH WITH A GUST TO 69 MPH WAS OBSERVED WITHIN THE PAST HOUR AT A NATIONAL OCEAN SERVICE SITE AT SHELL BEACH LOUISIANA. A WIND GUST TO 67 MPH WAS RECENTLY REPORTED AT LAKEFRONT AIRPORT ON THE SOUTH SHORE OF LAKE PONTCHARTRAIN NEAR NEW ORLEANS.

THE LATEST MINIMUM CENTRAL PRESSURE REPORTED RECONNAISSANCE AIRCRAFT WAS 968 MB...28.59 INCHES.

HAZARDS AFFECTING LAND

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- * MISSISSIPPI AND SOUTHEASTERN LOUISIANA...6 TO 12 FT
- * ALABAMA...4 TO 8 FT
- * SOUTH-CENTRAL LOUISIANA...3 TO 6 FT
- * FLORIDA PANHANDLE...3 TO 6 FT
- * APALACHEE BAY...2 TO 4 FT
- * REMAINDER OF FLORIDA WEST COAST...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE WINDS. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

A STORM SURGE OF 10.3 FEET WAS RECENTLY REPORTED AT A NATIONAL OCEAN SERVICE TIDE GAUGE AT SHELL BEACH LOUISIANA. A STORM SURGE OF 6.7 FEET WAS OBSERVED AT A NATIONAL OCEAN SERVICE TIDE GAUGE IN WAVELAND MISSISSIPPI.

WIND...TROPICAL STORM CONDITIONS WILL CONTINUE ACROSS THE WARNING AREA OVERNIGHT...AND HURRICANE CONDITIONS WILL CONTINUE TO SPREAD ONSHORE ACROSS SOUTHEASTERN LOUISIANA.

WINDS AFFECTING THE UPPER FLOORS OF HIGH-RISE BUILDINGS WILL BE SIGNIFICANTLY STRONGER THAN THOSE NEAR GROUND LEVEL. AT ABOUT THE 30TH STORY...WINDS WOULD LIKELY BE ONE SAFFIR-SIMPSON CATEGORY STRONGER THAN AT THE SURFACE.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 7 TO 14 INCHES...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES...OVER MUCH OF

LOUISIANA...SOUTHERN MISSISSIPPI...SOUTHERN ALABAMA...AND THE EXTREME WESTERN FLORIDA PANHANDLE. THESE RAINS COULD RESULT IN SIGNIFICANT LOWLAND FLOODING.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE ALONG THE CENTRAL GULF COAST REGION AND PARTS OF THE LOWER MISSISSIPPI RIVER VALLEY THROUGH WEDNESDAY.

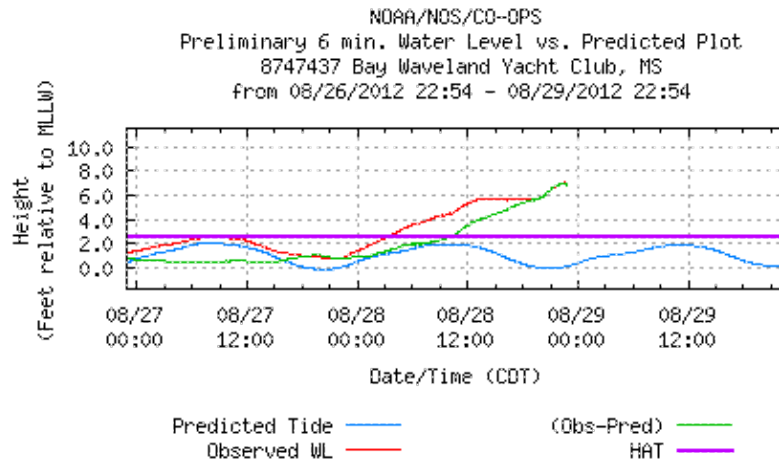
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE WEST COAST OF FLORIDA AND THE NORTHERN GULF COAST FOR THE NEXT DAY OR SO.

FORECASTER BROWN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

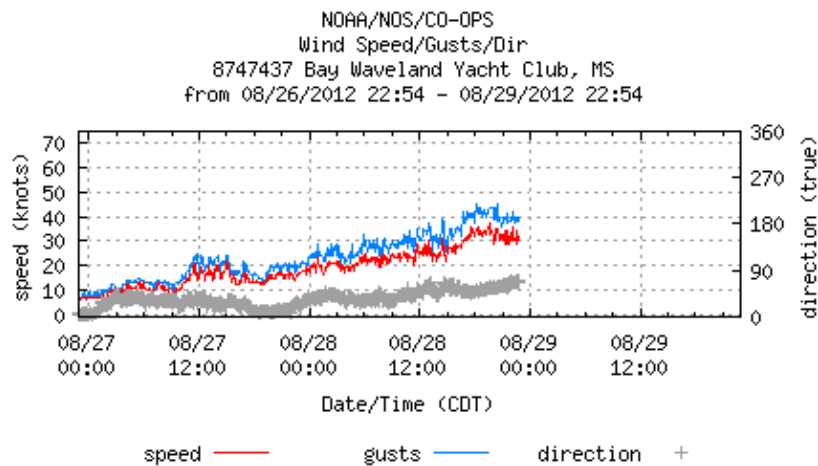
Jump to: [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#),

Bay Waveland Yacht Club, MS - Return to List



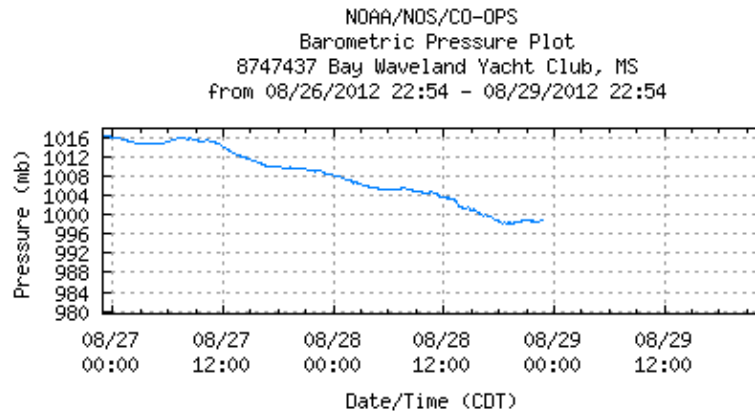
Last Observed Sample: 08/28/2012 22:48 (CDT)
Relative to MLLW: **Observed: 6.98 ft.** **Predicted: 0.14 ft.** **Residual: 6.84 ft.**
Historical Maximum Water Level: Sep 1 2008, 9.16 ft. above MHHW

Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 08/28/2012 22:48 (CDT)
Wind Speed: 31 knots **Gusts: 40 knots** **Direction: 68° T**

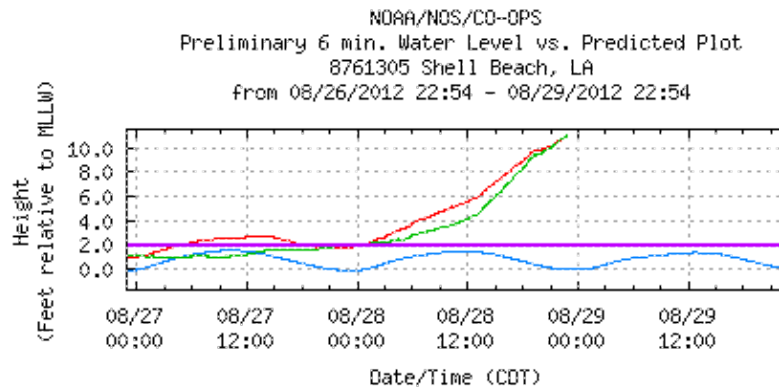
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 08/28/2012 22:48 (CDT)

Barometric Pressure: 998.7 mb

Shell Beach, LA - Return to List

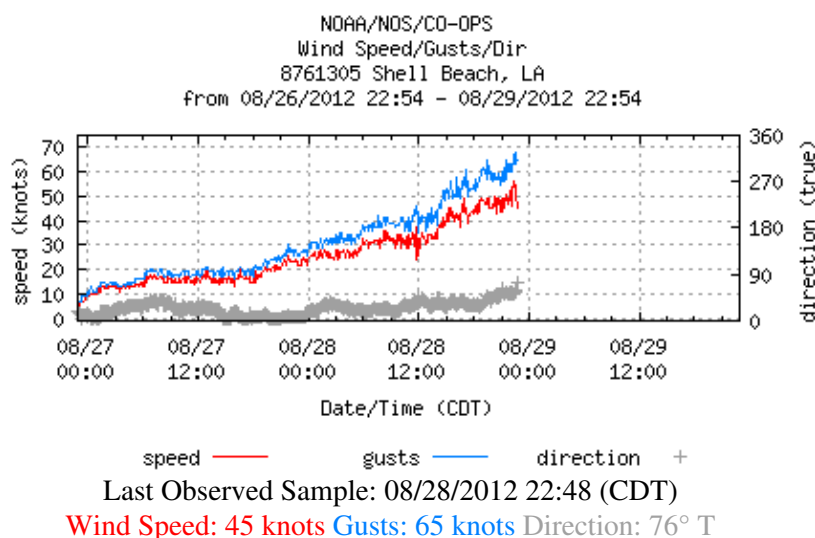


Last Observed Sample: 08/28/2012 22:48 (CDT)

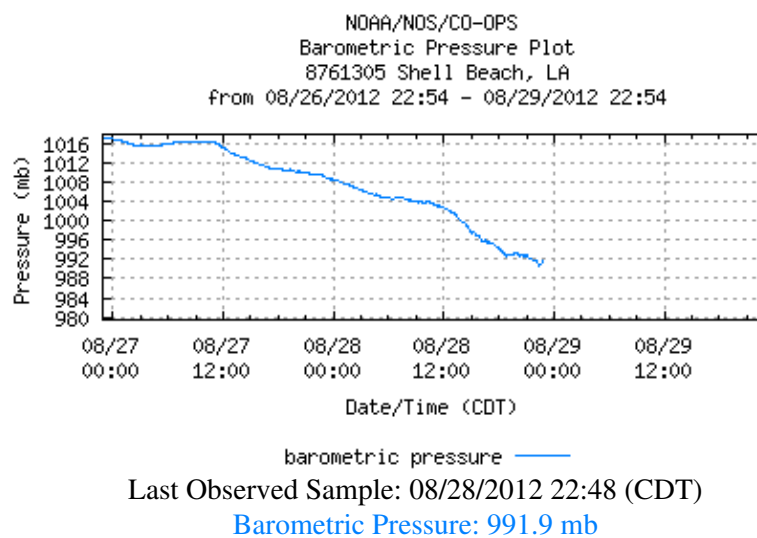
Relative to MLLW: **Observed: 10.89 ft.** **Predicted: -0.06 ft.** **Residual: 10.95 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW

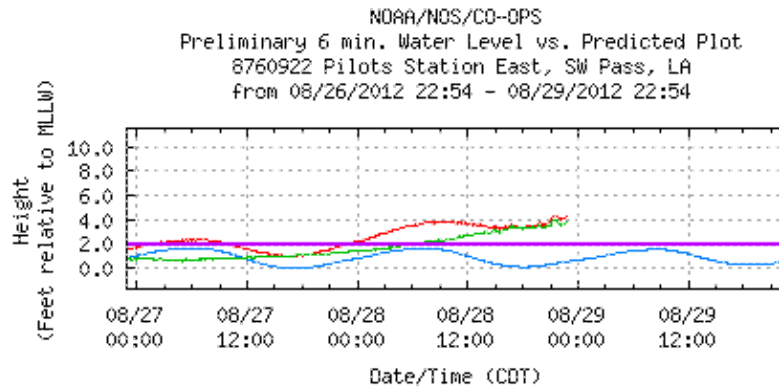
Shell Beach, LA - Return to List



Shell Beach, LA - Return to List



Pilots Station East, SW Pass, LA - Return to List



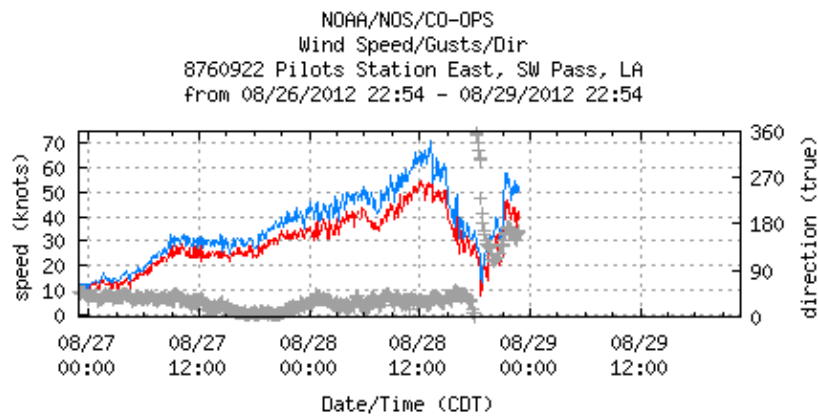
Predicted Tide — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 08/28/2012 22:48 (CDT)

Relative to MLLW: **Observed: 4.24 ft.** **Predicted: 0.50 ft.** **Residual: 3.74 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

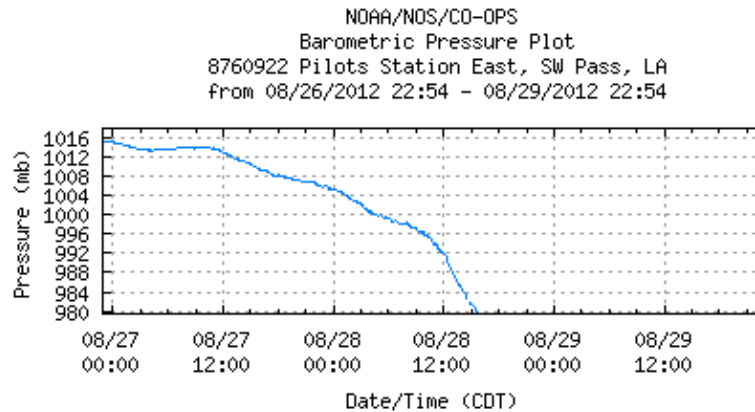


speed — gusts — direction +

Last Observed Sample: 08/28/2012 22:48 (CDT)

Wind Speed: 40 knots **Gusts: 52 knots** **Direction: 168° T**

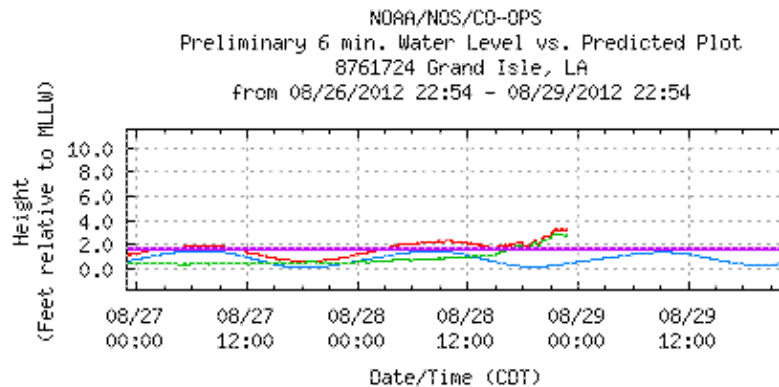
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/28/2012 15:36 (CDT)

Barometric Pressure: 980.0 mb

Grand Isle, LA - Return to List

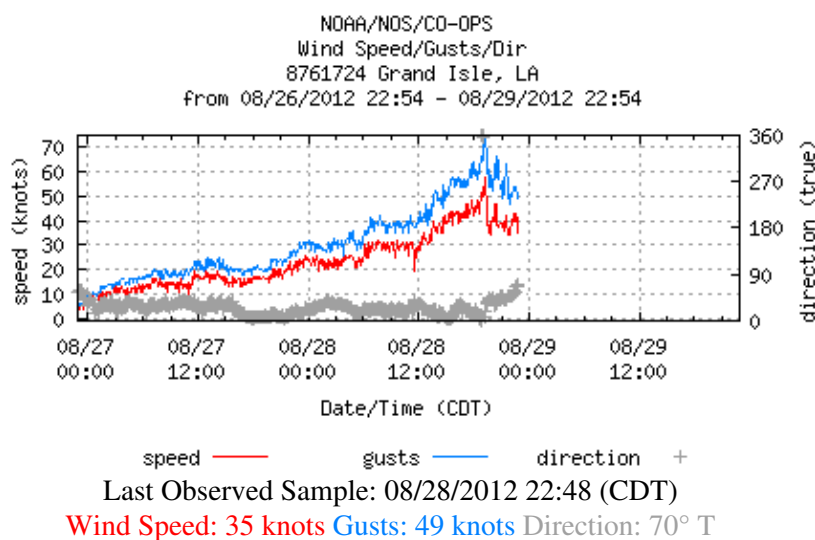


Last Observed Sample: 08/28/2012 22:48 (CDT)

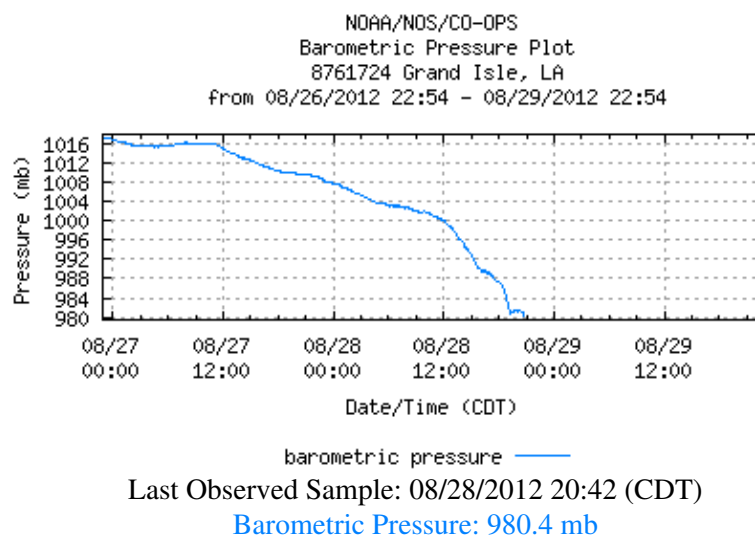
Relative to MLLW: **Observed: 3.25 ft.** **Predicted: 0.43 ft.** **Residual: 2.82 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

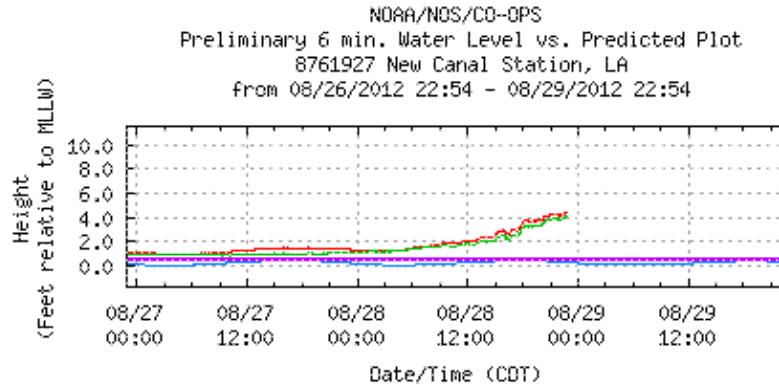
Grand Isle, LA - Return to List



Grand Isle, LA - Return to List



New Canal Station, LA - Return to List



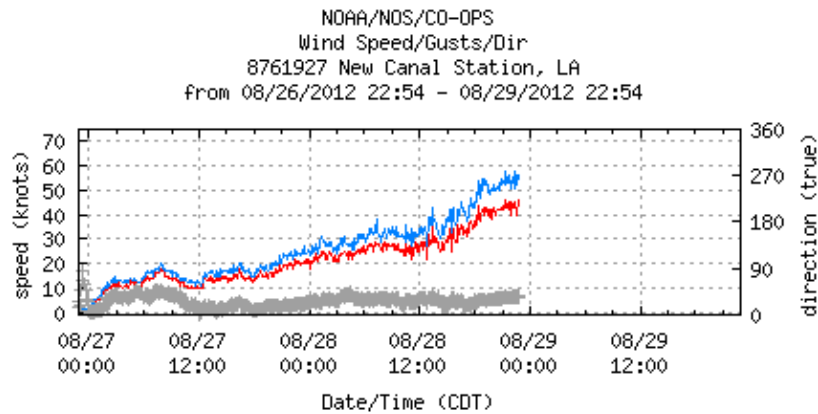
Predicted Tide — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 08/28/2012 22:48 (CDT)

Relative to MLLW: **Observed: 4.44 ft.** **Predicted: 0.31 ft.** **Residual: 4.13 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.96 ft. above MHHW

New Canal Station, LA - Return to List

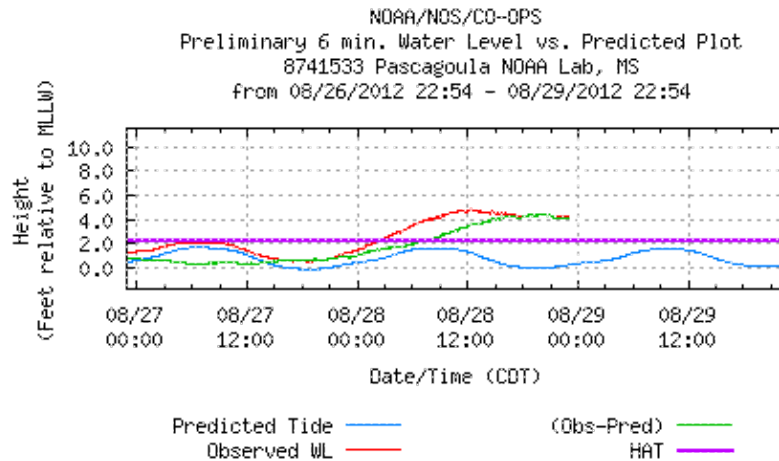


speed — gusts — direction +

Last Observed Sample: 08/28/2012 22:48 (CDT)

Wind Speed: 45 knots **Gusts: 56 knots** **Direction: 38° T**

Pascagoula NOAA Lab, MS - Return to List

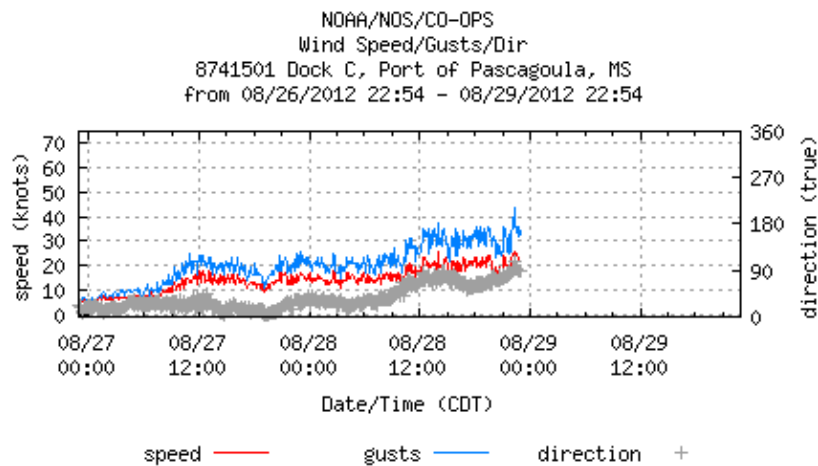


Last Observed Sample: 08/28/2012 22:54 (CDT)

Relative to MLLW: **Observed: 4.31 ft.** **Predicted: 0.24 ft.** **Residual: 4.07 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

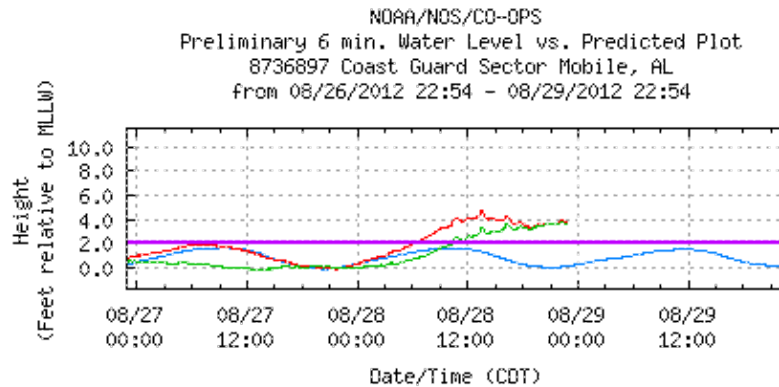
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 08/28/2012 22:54 (CDT)

Wind Speed: 22 knots **Gusts: 33 knots** **Direction: 88° T**

Coast Guard Sector Mobile, AL - Return to List

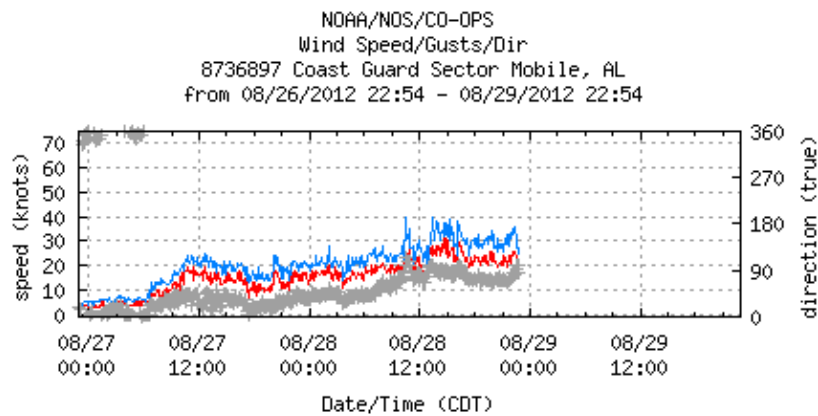


Last Observed Sample: 08/28/2012 22:48 (CDT)

Relative to MLLW: **Observed: 3.71 ft.** **Predicted: 0.15 ft.** **Residual: 3.56 ft.**

Historical Maximum Water Level: Sep 1 2008, 3.79 ft. above MHHW

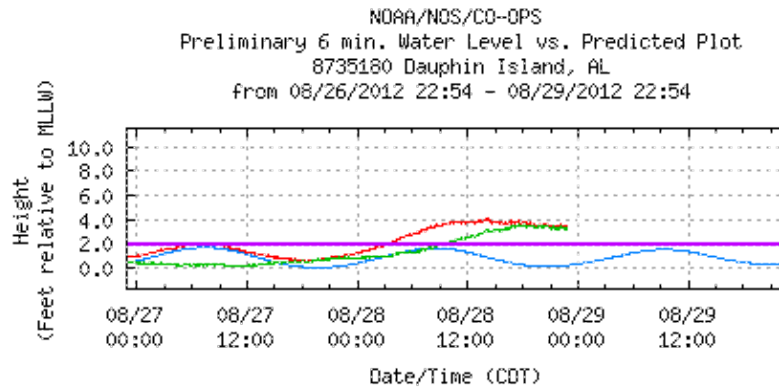
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 08/28/2012 22:48 (CDT)

Wind Speed: 19 knots **Gusts: 25 knots** **Direction: 87° T**

Dauphin Island, AL - Return to List



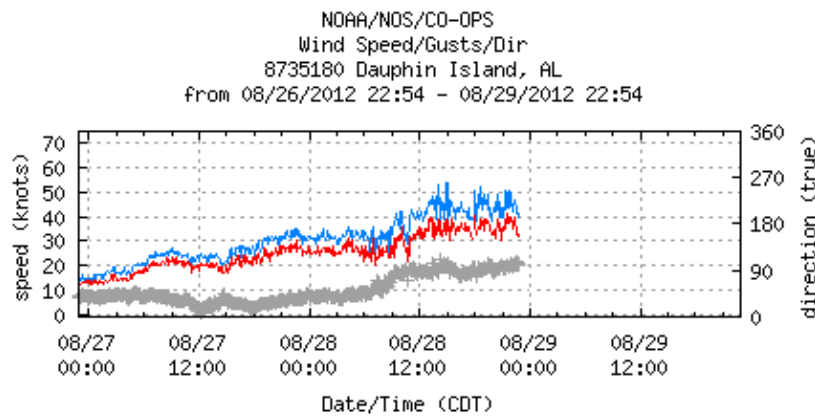
Predicted Tide — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 08/28/2012 22:48 (CDT)

Relative to MLLW: **Observed: 3.46 ft.** **Predicted: 0.22 ft.** **Residual: 3.24 ft.**

Historical Maximum Water Level: Sep 16 2004, 5.94 ft. above MHHW

Dauphin Island, AL - Return to List

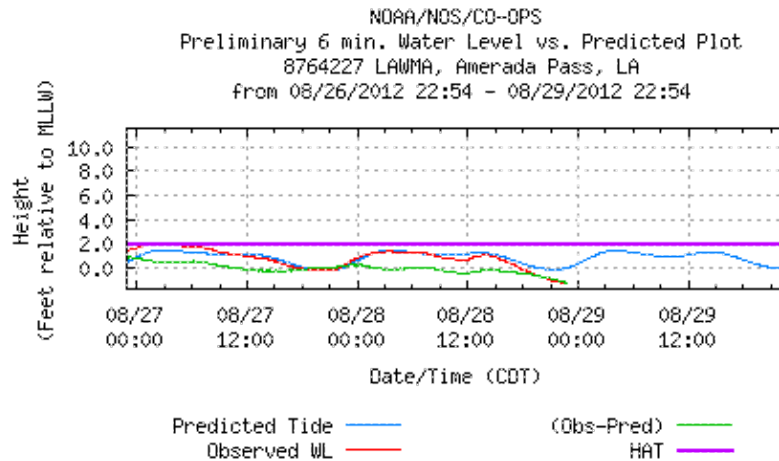


speed — gusts — direction +

Last Observed Sample: 08/28/2012 22:48 (CDT)

Wind Speed: 33 knots **Gusts: 41 knots** **Direction: 103° T**

[LAWMA, Amerada Pass, LA - Return to List](#)

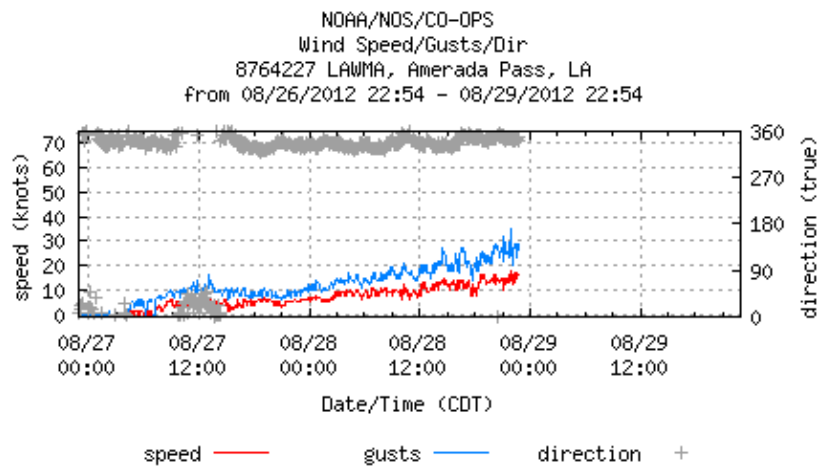


Last Observed Sample: 08/28/2012 22:48 (CDT)

Relative to MLLW: **Observed: -1.23 ft.** **Predicted: -0.01 ft.** **Residual: -1.22 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

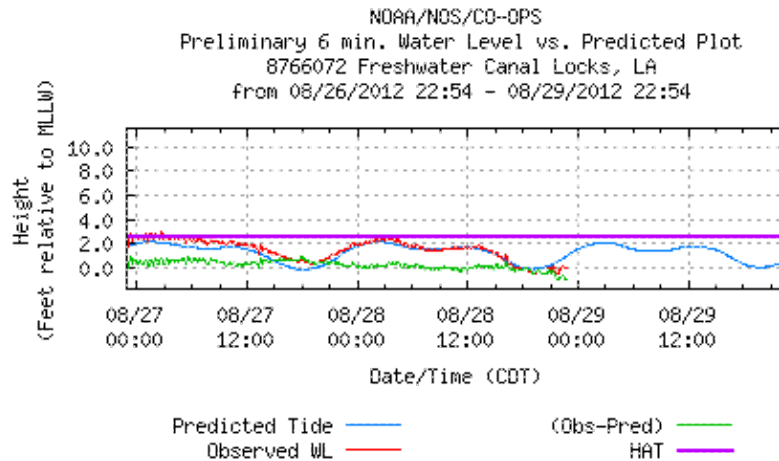
[LAWMA, Amerada Pass, LA - Return to List](#)



Last Observed Sample: 08/28/2012 22:48 (CDT)

Wind Speed: 16 knots **Gusts: 29 knots** **Direction: 341° T**

[Freshwater Canal Locks, LA - Return to List](#)

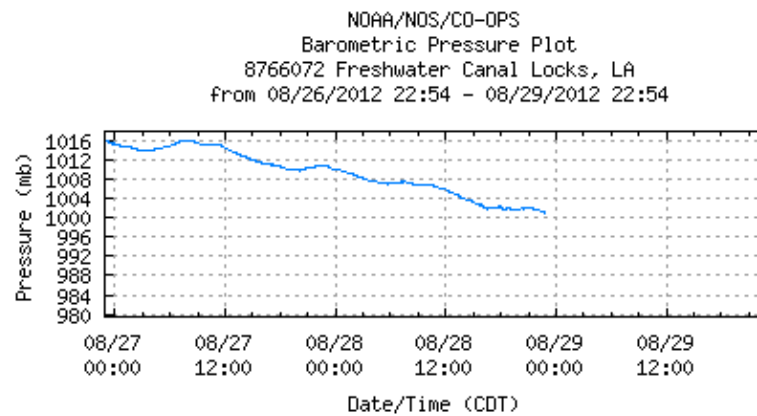


Last Observed Sample: 08/28/2012 22:48 (CDT)

Relative to MLLW: **Observed: 0.04 ft. Predicted: 1.00 ft. Residual: -0.96 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

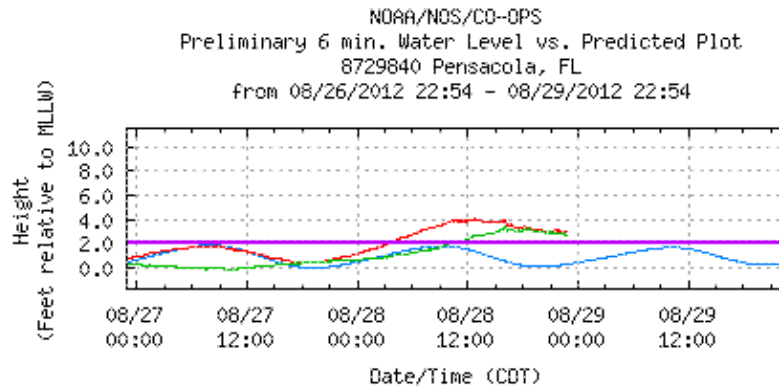
[Freshwater Canal Locks, LA - Return to List](#)



Last Observed Sample: 08/28/2012 22:48 (CDT)

Barometric Pressure: 1001.0 mb

Pensacola, FL - Return to List



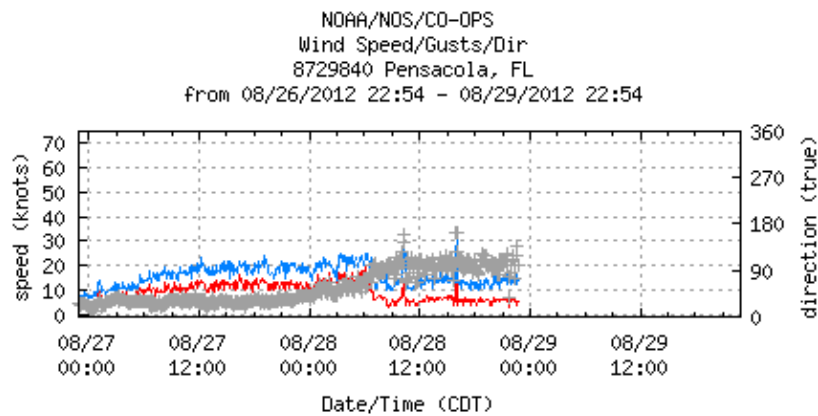
Predicted Tide — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 08/28/2012 22:42 (CDT)

Relative to MLLW: **Observed: 3.04 ft.** **Predicted: 0.29 ft.** **Residual: 2.75 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

Pensacola, FL - Return to List

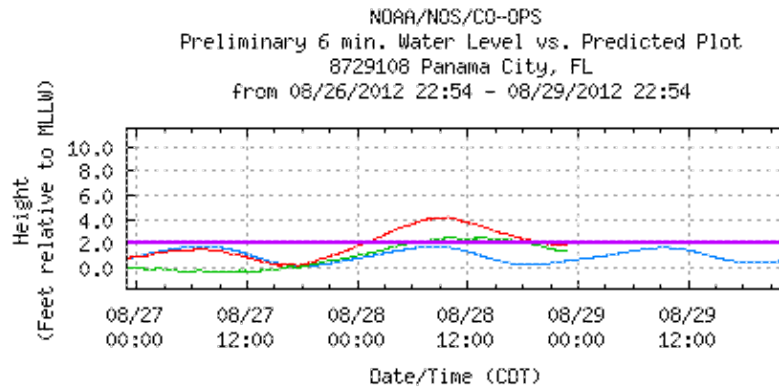


speed — gusts — direction +

Last Observed Sample: 08/28/2012 22:42 (CDT)

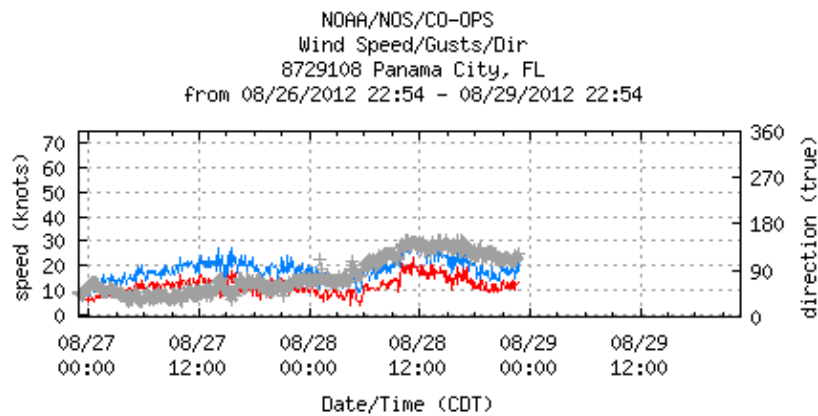
Wind Speed: 5 knots **Gusts: 15 knots** Direction: 100° T

Panama City, FL - Return to List



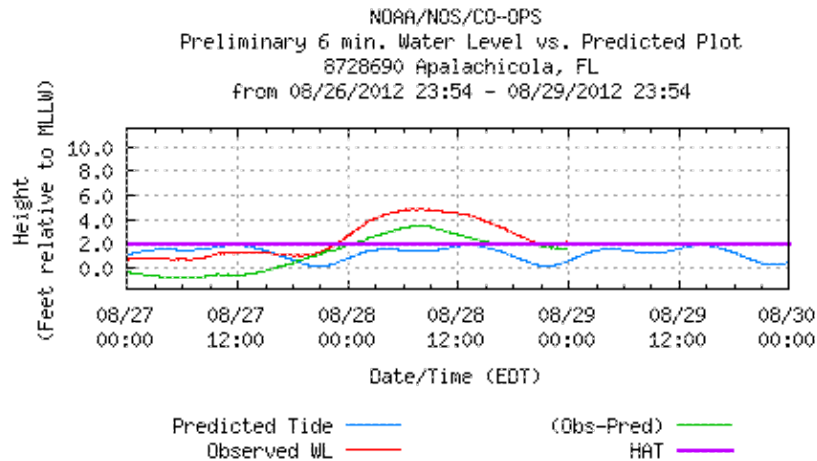
Last Observed Sample: 08/28/2012 22:48 (CDT)
Relative to MLLW: **Observed: 2.01 ft.** **Predicted: 0.57 ft.** **Residual: 1.44 ft.**
Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW

Panama City, FL - Return to List



Last Observed Sample: 08/28/2012 22:48 (CDT)
Wind Speed: 13 knots **Gusts: 18 knots** **Direction: 123° T**

Apalachicola, FL - Return to List

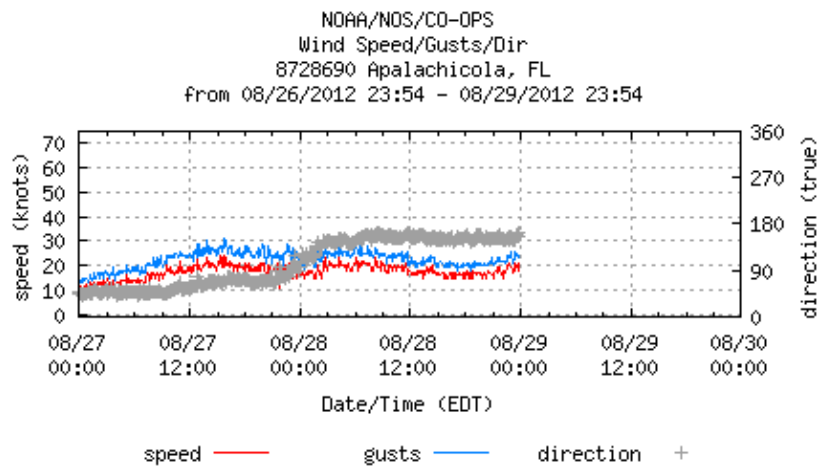


Last Observed Sample: 08/28/2012 23:48 (EDT)

Relative to MLLW: **Observed: 2.15 ft.** **Predicted: 0.53 ft.** **Residual: 1.62 ft.**

Historical Maximum Water Level: Jul 10 2005, 6.43 ft. above MHHW

Apalachicola, FL - Return to List



Last Observed Sample: 08/28/2012 23:48 (EDT)

Wind Speed: 21 knots **Gusts: 23 knots** **Direction: 157° T**

Hurricane ISAAC QuickLook, POSTED 23:00 CDT 08/28/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce